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CLAIMS

- 1 Process for producing an activated AlF₃ based catalyst, wherein a crude AlF₃ is treated for more than 5 hours with a gas stream at a temperature from 300°C to 450°C.
- 2 Process according to claim 1, wherein the temperature is from 350°C to 400°C.
 - 3 Process according to claim 1 or 2, wherein the crude AlF₃ is treated with the gas stream for from 6 to 50 hours.
- 4 Process according to any one of claims 1 to 3, wherein the crude AlF₃
 contains at least 95 wt.% of stochiometric AlF₃.
 - 5 Process according to any one of claims 1 to 4, wherein the crude AIF₃ has a B.E.T surface of at least 25 m²/g.
 - 6 Process according to any one of claims 1 to 5, wherein the gas stream contains at least one of air, hydrogen fluoride, halogenated hydrocarbon or inert gas.
 - 7 Process according to any one of claims 1 to 6, wherein the treatment with the gas stream comprises at least 2 treatment steps with different gases.
 - 8 Process according to claim 7, wherein the treatment with the gas stream comprises
 - (a) a treatment with an inert gas stream for at least 4 hours

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- (b) optionally, a treatment with an anhydrous hydrogen fluoride stream
- (c) a treatment with a hydrochlorofluorocarbon-containing stream for more than 1 hour.
- 9 Process according to claim 7, wherein the treatment with the gas stream comprises
 - (a) a treatment with an air stream for at least 2 hours
 - (b) a treatment with an anhydrous hydrogen fluoride stream for at least 4 hours.

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- 10 Activated AIF₃ catalyst, obtainable according to the process of any one of claims 1 to 9.
- 11 Process for the isomerisation of a hydrochlorofluorocarbon, wherein the hydrochlorofluorocarbon is contacted with the catalyst according to claim 10.
- 5 12 Process according to claim 11 wherein the hydrochlorofluorocarbon is in the vapor state.
 - 13 Process according to claim 11 or 12, wherein the hydrochlorofluorocarbon comprises a mixture of 1,1,1-trifluoro-2,2-dichloroethane and 1,1,2-trifluoro-1,2-dichloroethane.
- 14 Process according to claim 13 wherein the isomerisation is carried out at a temperature of 180 to 220°C.
 - 15 Method for the isomerisation of 1,1,2-trifluoro-1,2-dichloroethane wherein the 1,1,2-trifluoro-1,2-dichloroethane, preferably in the vapor state, is contacted with an isomerisation catalyst under a pressure of from 2 to 5 bar.